C. Mahatan

1600

RAW SEQUENCE LISTING DATE: 12/07/2001
PATENT APPLICATION: US/09/665,350 TIME: 14:31:39

Input Set : N:\EBONY'S\ES.txt
Output Set: N:\CRF3\12072001\I665350.raw

p.5

<110> APPLICANT: Genentech, Inc.
Ashkenazi, Avi
Botstein, David
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Eaton, Dan L.
Ferrara, Napoleone
Filvaroff, Ellen
Fong, Sherman
Gao, Wei-Qiang
Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, A.
Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth, J.
Kljavin, Ivar J.
Mather, Jennie P.
Pan, James
Paoni, Nicholas F.
Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
Williams, P. Mickey
Wood, William, I.

ENTERED

<120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same

<130> FILE REFERENCE: 10466-14

<140> CURRENT APPLICATION NUMBER: 09/665,350
<141> CURRENT FILING DATE: 2000-09-18

<150> PRIOR APPLICATION NUMBER: PCT/US00/04414
<151> PRIOR FILING DATE: 2000-02-22

<150> PRIOR APPLICATION NUMBER: US 60/143,048
<151> PRIOR FILING DATE: 1999-07-07

<150> PRIOR APPLICATION NUMBER: US 60/145,698
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<151> PRIOR FILING DATE: 1999-07-28

<150> PRIOR APPLICATION NUMBER: PCT/US99/20594
<151> PRIOR FILING DATE: 1999-09-08

<150> PRIOR APPLICATION NUMBER: PCT/US99/20944
<151> PRIOR FILING DATE: 1999-09-13

<150> PRIOR APPLICATION NUMBER: PCT/US99/21090
<151> PRIOR FILING DATE: 1999-09-15

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101 tggagctccg gctgcgtctt cccgcagcgc tacccgccat gcgcctgccg 150
103 cgccgggccg cgctggggct cctgccgctt ctgctgctgc tgccgcccgc 200
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121 agcggagatg ggagcagaca gggcgacggg tcctgccggt gccacatggg 650
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125 tccggaacga gacccacagc atctgcacag cctgtgacga gtcctgcaag 750
127 acgtgctcgg gcctgaccaa cagagactgc ggcgagtgtg aagtgggctg 800
129 ggtgctggac gagggcgcct gtgtggatgt ggacgagtgt gcggccgagc 850
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PATENT APPLICATION: US/09/665,350 TIME: 14:31:39

Input Set : N:\EBONY'S\ES.txt
Output Set: N:\CRF3\12072001\I665350.raw

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155  aaaattgacc attgtaggta atcaggagga aaaaaaaaaa aaaaaaaaaa 1450
157  aaagggcggc cgcgactcta gagtcgacct gcagaagctt ggccgccatg 1500
159  gcccaacttg tttattgcag cttataatgg ttacaaataa agcaatagca 1550
161  tcacaaattt cacaaataaa gcatttttt cactgcattc tagttgtggt 1600
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178 <400> SEQUENCE: 2
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183                20                  25                  30
185  Cys His Arg Cys Arg Gly Leu Val Asp Lys Phe Asn Gln Gly Met
186                35                  40                  45
188  Val Asp Thr Ala Lys Lys Asn Phe Gly Gly Gly Asn Thr Ala Trp
189                50                  55                  60
191  Glu Glu Lys Thr Leu Ser Lys Tyr Glu Ser Ser Glu Ile Arg Leu
192                65                  70                  75
194  Leu Glu Ile Leu Glu Gly Leu Cys Glu Ser Ser Asp Phe Glu Cys
195                80                  85                  90
197  Asn Gln Met Leu Glu Ala Gln Glu Glu His Leu Glu Ala Trp Trp
198                95                 100                 105
200  Leu Gln Leu Lys Ser Glu Tyr Pro Asp Leu Phe Glu Trp Phe Cys
201               110                 115                 120
203  Val Lys Thr Leu Lys Val Cys Cys Ser Pro Gly Thr Tyr Gly Pro
204               125                 130                 135
206  Asp Cys Leu Ala Cys Gln Gly Gly Ser Gln Arg Pro Cys Ser Gly
207               140                 145                 150
209  Asn Gly His Cys Ser Gly Asp Gly Ser Arg Gln Gly Asp Gly Ser
210               155                 160                 165
212  Cys Arg Cys His Met Gly Tyr Gln Gly Pro Leu Cys Thr Asp Cys
213               170                 175                 180
216  Met Asp Gly Tyr Phe Ser Ser Leu Arg Asn Glu Thr His Ser Ile
217               185                 190                 195
219  Cys Thr Ala Cys Asp Glu Ser Cys Lys Thr Cys Ser Gly Leu Thr
220               200                 205                 210
222  Asn Arg Asp Cys Gly Glu Cys Glu Val Gly Trp Val Leu Asp Glu
223               215                 220                 225
225  Gly Ala Cys Val Asp Val Asp Glu Cys Ala Ala Glu Pro Pro Pro
226               230                 235                 240
228  Cys Ser Ala Ala Gln Phe Cys Lys Asn Ala Asn Gly Ser Tyr Thr
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RAW SEQUENCE LISTING DATE: 12/07/2001
PATENT APPLICATION: US/09/665,350 TIME: 14:31:39

Input Set : N:\EBONY'S\ES.txt
Output Set: N:\CRF3\12072001\I665350.raw

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232                 260                 265                 270
234  Pro Gly Asn Cys Lys Glu Cys Ile Ser Gly Tyr Ala Arg Glu His
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237  Gly Gln Cys Ala Asp Val Asp Glu Cys Ser Leu Ala Glu Lys Thr
238                 290                 295                 300
240  Cys Val Arg Lys Asn Glu Asn Cys Tyr Asn Thr Pro Gly Ser Tyr
241                 305                 310                 315
243  Val Cys Val Cys Pro Asp Gly Phe Glu Glu Thr Glu Asp Ala Cys
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246  Val Pro Pro Ala Glu Ala Glu Ala Thr Glu Gly Glu Ser Pro Thr
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262  cgcccagccg tctaaacggg aacagccctg gctgagggag ctgcagcgca 150
264  gcagagtatc tgacggcgcc aggttgcgta ggtgcggcac gaggagtttt 200
266  cccggcagcg aggaggtcct gagcagcatg gcccggagga gcgccttccc 250
268  tgccgccgcg ctctggctct ggagcatcct cctgtgcctg ctggcactgc 300
270  gggcggaggc cgggccgccg caggaggaga gcctgtacct atggatcgat 350
272  gctcaccagg caagagtact cataggattt gaagaagata tcctgattgt 400
274  ttcagagggg aaaatggcac cttttacaca tgatttcaga aaagcgcaac 450
276  agagaatgcc agctattcct gtcaatatcc attccatgaa ttttacctgg 500
278  caagctgcag ggcaggcaga atacttctat gaattcctgt ccttgcgctc 550
281  cctggataaa ggcatcatgg cagatccaac cgtcaatgtc cctctgctgg 600
283  gaacagtgcc tcacaaggca tcagttgttc aagttggttt cccatgtctt 650
285  ggaaaacagg atggggtggc agcatttgaa gtggatgtga ttgttatgaa 700
287  ttctgaaggc aacaccattc tccaaacacc tcaaaatgct atcttcttta 750
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293  ctgtgagaaa gccctttgta ccccacgatg tatgaatggt ggactttgtg 900
295  tgactcctgg tttctgcatc tgcccacctg gattctatgg agtgaactgt 950
297  gacaaagcaa actgctcaac cacctgcttt aatggaggga cctgtttcta 1000
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301  tcagcaaatg cccacaaccc tgtcgaaatg gaggtaaatg cattggtaaa 1100
303  agcaaatgta agtgttccaa aggttaccag ggagacctct gttcaaagcc 1150
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309  gaagccagcc tcatacatgc cctgaggcca gcaggcgccc agctcaggca 1300
311  gcacacgcct tcacttaaaa aggccgagga gcggcgggat ccacctgaat 1350
313  ccaattacat ctggtgaact ccgacatctg aaacgtttta agttacacca 1400
315  agttcatagc ctttgttaac ctttcatgtg ttgaatgttc aaataatgtt 1450
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RAW SEQUENCE LISTING DATE: 12/07/2001
PATENT APPLICATION: US/09/665,350 TIME: 14:31:39

Input Set : N:\EBONY'S\ES.txt
Output Set: N:\CRF3\12072001\I665350.raw

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319 actgagctga tatttactct tccttttaag ttttctaagt acgtctgtag 1550
321 catgatggta tagattttct tgtttcagtg ctttgggaca gattttatat 1600
323 tatgtcaatt gatcaggtta aaattttcag tgtgtagttg gcagatattt 1650
325 tcaaaattac aatgcattta tggtgtctgg gggcagggga acatcagaaa 1700
327 ggttaaattg ggcaaaaatg cgtaagtcac aagaatttgg atggtgcagt 1750
329 taatgttgaa gttacagcat ttcagatttt attgtcagat atttagatgt 1800
331 ttgttacatt tttaaaaatt gctcttaatt tttaaactct caatacaata 1850
333 tattttgacc ttaccattat tccagagatt cagtattaaa aaaaaaaaaa 1900
335 ttacactgtg gtagtggcat ttaaacaata taatatattc taaacacaat 1950
337 gaaataggga atataatgta tgaacttttt gcattggctt gaagcaatat 2000
339 aatatattgt aaacaaaaca cagctcttac ctaataaaca ttttatactg 2050
341 tttgtatgta taaaataaag gtgctgcttt agtttttgg aaaaaaaaaa 2100
343 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcggccgc gactctagag 2150
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348 ataatg 2206
350 <210> SEQ ID NO: 4
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362 Pro Gln Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala
363 35 40 45
365 Arg Val Leu Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu
366 50 55 60
368 Gly Lys Met Ala Pro Phe Thr His Asp Phe Arg Lys Ala Gln Gln
369 65 70 75
371 Arg Met Pro Ala Ile Pro Val Asn Ile His Ser Met Asn Phe Thr
372 80 85 90
374 Trp Gln Ala Ala Gly Gln Ala Glu Tyr Phe Tyr Glu Phe Leu Ser
375 95 100 105
377 Leu Arg Ser Leu Asp Lys Gly Ile Met Ala Asp Pro Thr Val Asn
378 110 115 120
380 Val Pro Leu Leu Gly Thr Val Pro His Lys Ala Ser Val Val Gln
381 125 130 135
383 Val Gly Phe Pro Cys Leu Gly Lys Gln Asp Gly Val Ala Ala Phe
384 140 145 150
386 Glu Val Asp Val Ile Val Met Asn Ser Glu Gly Asn Thr Ile Leu
387 155 160 165
389 Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr Cys Gln Gln Ala
390 170 175 180
392 Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys Asn Glu Arg
393 185 190 195
395 Arg Ile Cys Glu Cys Pro Asp Gly Phe His Gly Pro His Cys Glu
396 200 205 210

FYI Use of n and/or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY DATE: 12/07/2001
PATENT APPLICATION: US/09/665,350 TIME: 14:31:40

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Output Set: N:\CRF3\12072001\I665350.raw

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L:657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:978 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:2194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50
L:4666 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113
L:5251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131
L:6947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174
L:7127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175
L:8523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206
L:8525 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206